

Title (en)

Transfer case with two planetary gear sets having a common carrier

Title (de)

Verteilergetriebe mit zwei in einem Gehäuse integrierten Umlaufgetriebe

Title (fr)

Boîte de transfert avec deux transmissions planétaires intégrées dans un carter commun

Publication

**EP 1449706 A2 20040825 (EN)**

Application

**EP 04250578 A 20040203**

Priority

US 36941903 A 20030218

Abstract (en)

A common carrier assembly (114) that is particularly adapted for use in supporting planetary gear sets (80, 82) used in a four-wheel drive vehicle transfer case (16). The common carrier (114) includes a drive plate (140), a differential plate (144), and a reduction plate (142). The drive plate (140) positioned between the reduction planetary gear set (80) and the differential planetary gear set (82). The drive plate (140) selectively engages a clutch (118, 180) that operates to position the reduction gear set (80) in various operation modes. <IMAGE>

IPC 1-7

**B60K 17/346**

IPC 8 full level

**F16H 57/02** (2006.01); **B60K 17/346** (2006.01); **F16H 48/10** (2006.01); **F16H 63/30** (2006.01)

CPC (source: EP KR US)

**B60K 17/3462** (2013.01 - EP US); **B60K 17/3467** (2013.01 - EP US); **E04G 21/32** (2013.01 - KR); **F16B 1/00** (2013.01 - KR); **F16B 2200/81** (2023.08 - KR); **F16H 63/304** (2013.01 - EP US)

Cited by

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